

Memory cell array (Column number)

| | 0 | 511 | 512 | 527 |
|---------|---------|-----------------------|----------------------------|-----|
| Block 0 | Page 0 | Data area (512 Bites) | Redundancy area (16 Bites) | |
| | Page 1 | | | |
| | ⋮ | | | |
| | Page 31 | NU | --- | |
| Block 1 | Page 0 | | | |
| | Page 1 | | | |
| | ⋮ | | | |
| | Page 31 | | | |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| Block X | Page 0 | | | |
| | Page 1 | | | |
| | ⋮ | | | |
| | Page 31 | | | |

FIG. 1 (PRIOR ART)

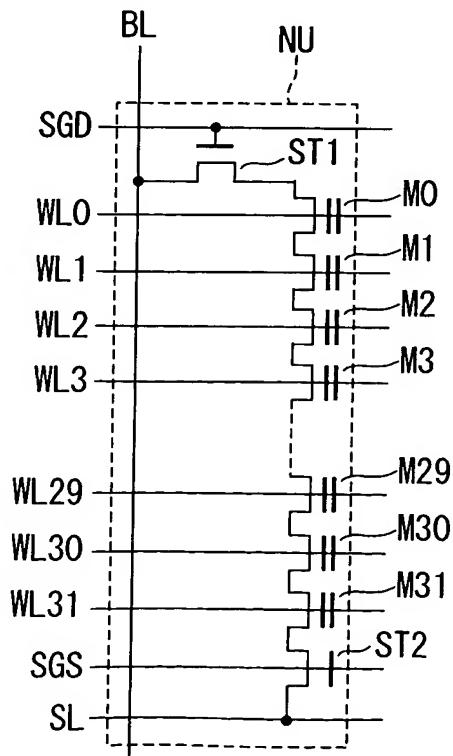


FIG. 2
(PRIOR ART)

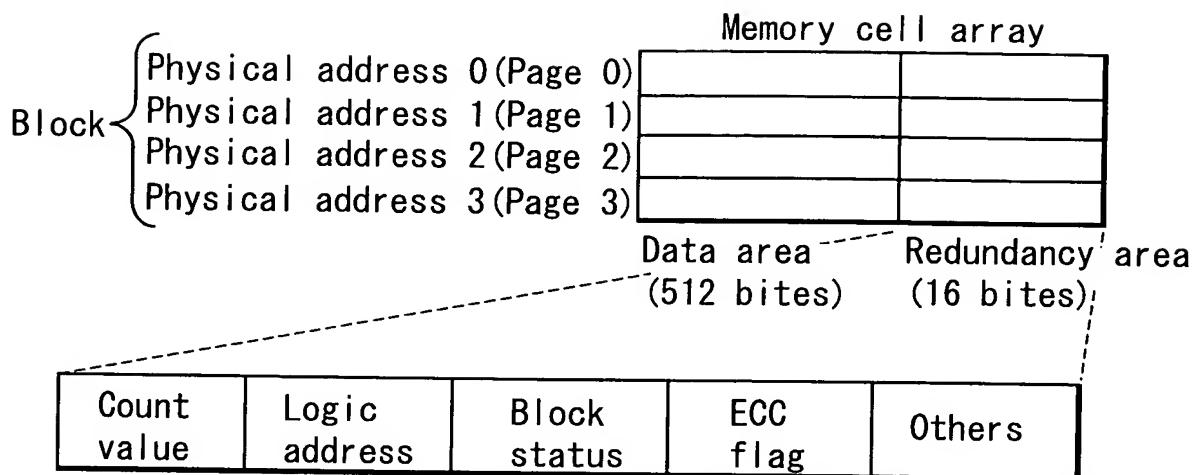


FIG. 3

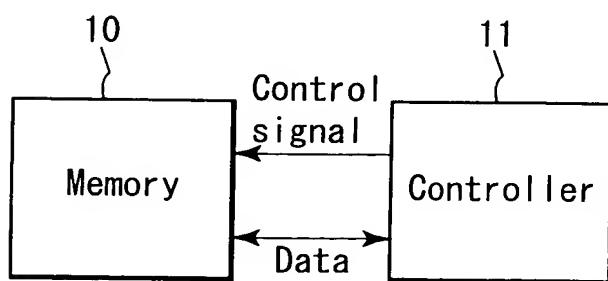


FIG. 4

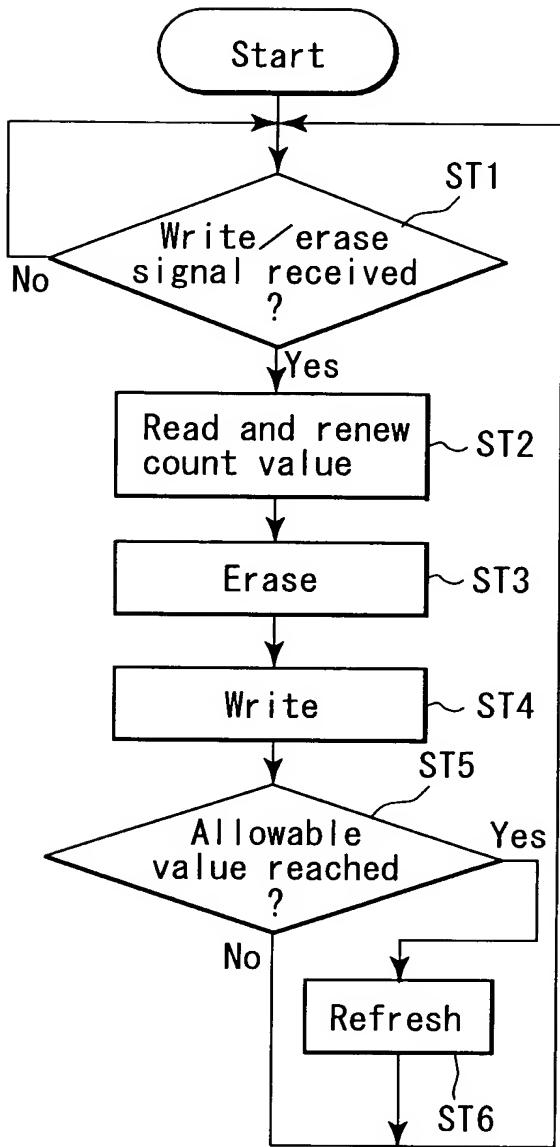


FIG. 5

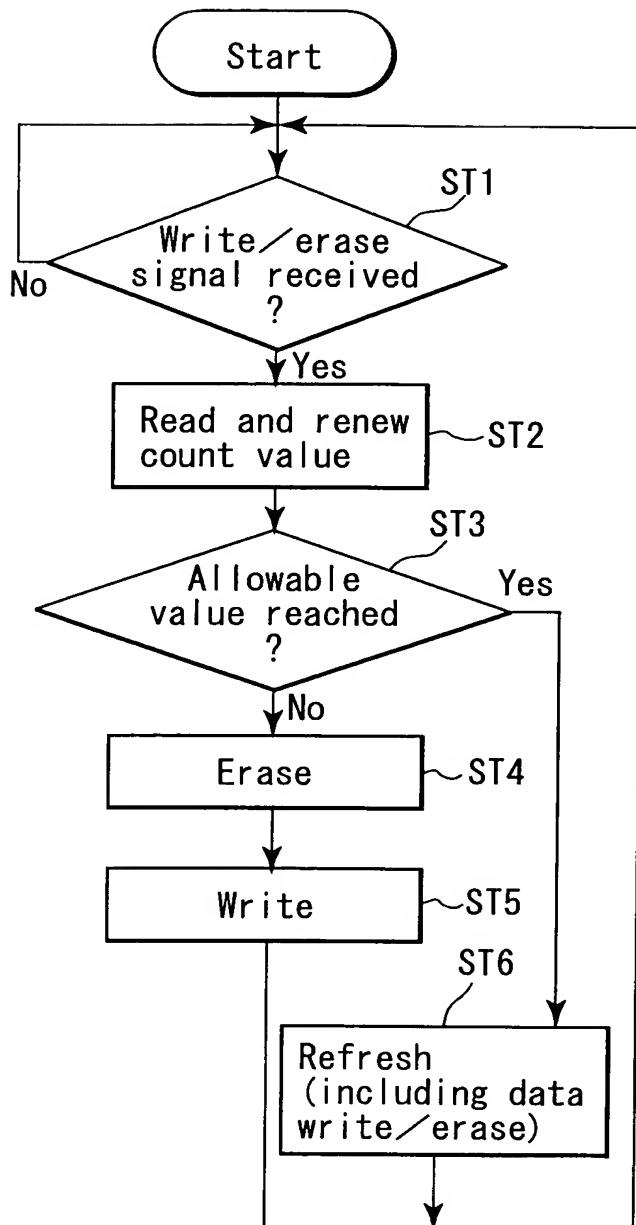


FIG. 6

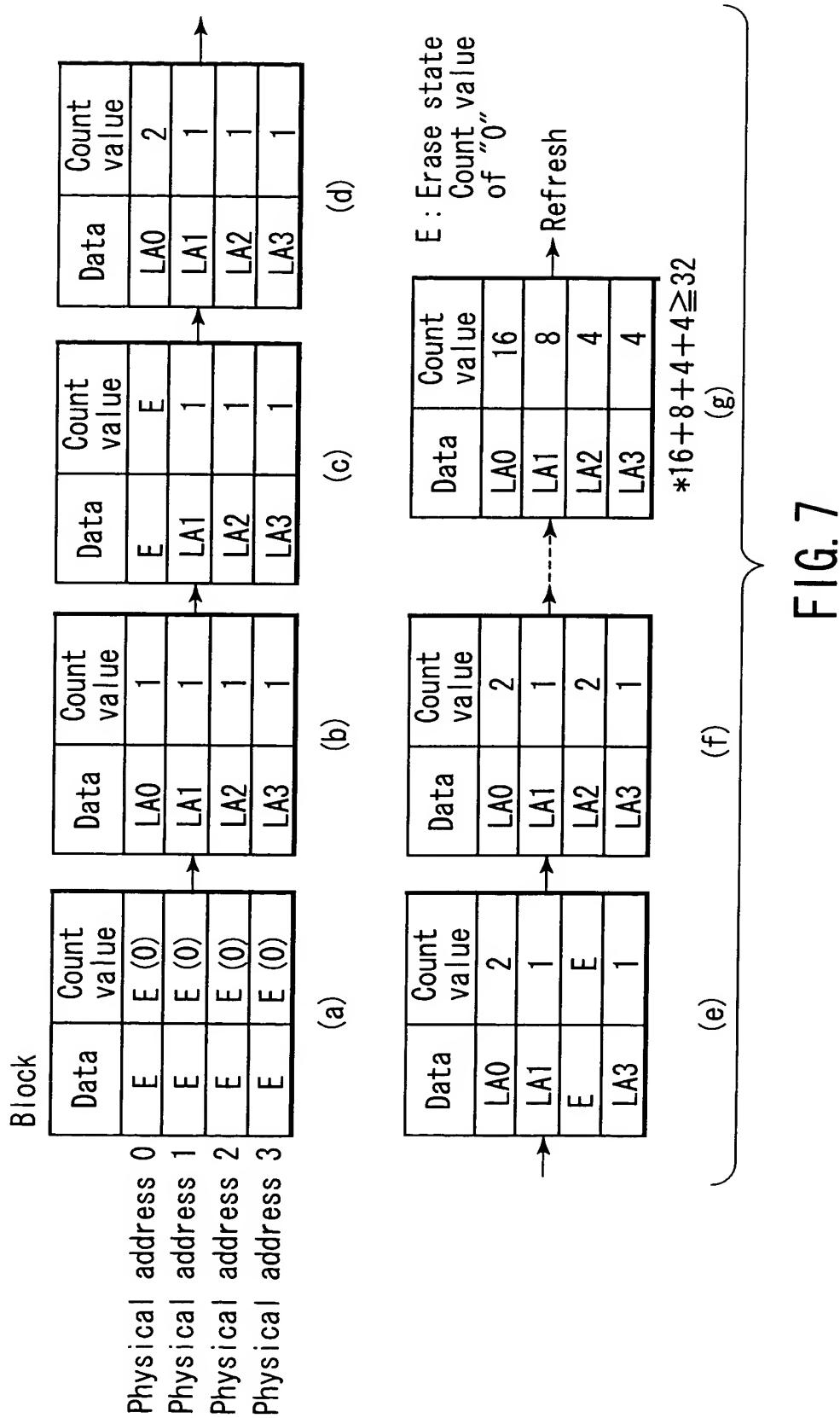


FIG. 7

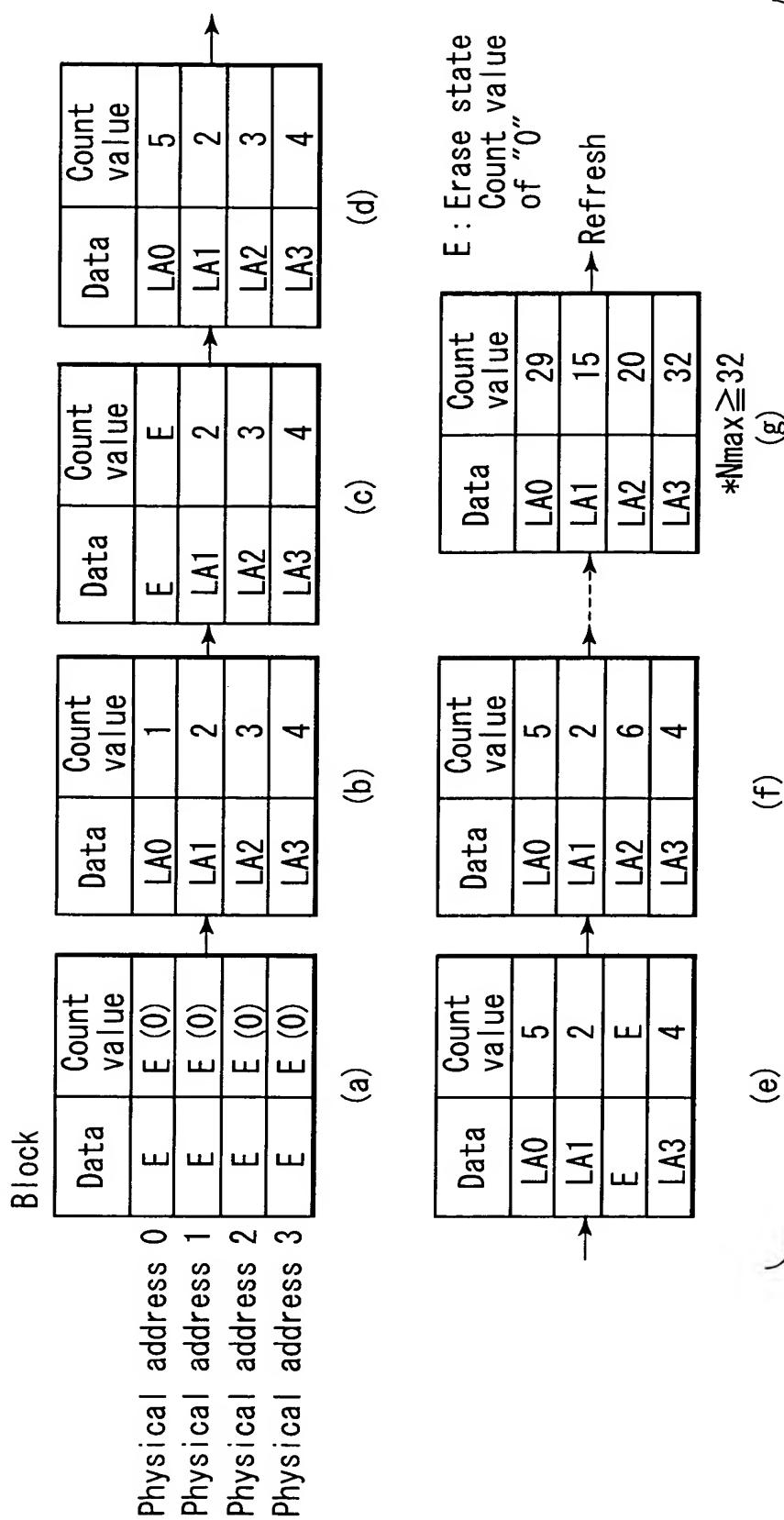


FIG. 8

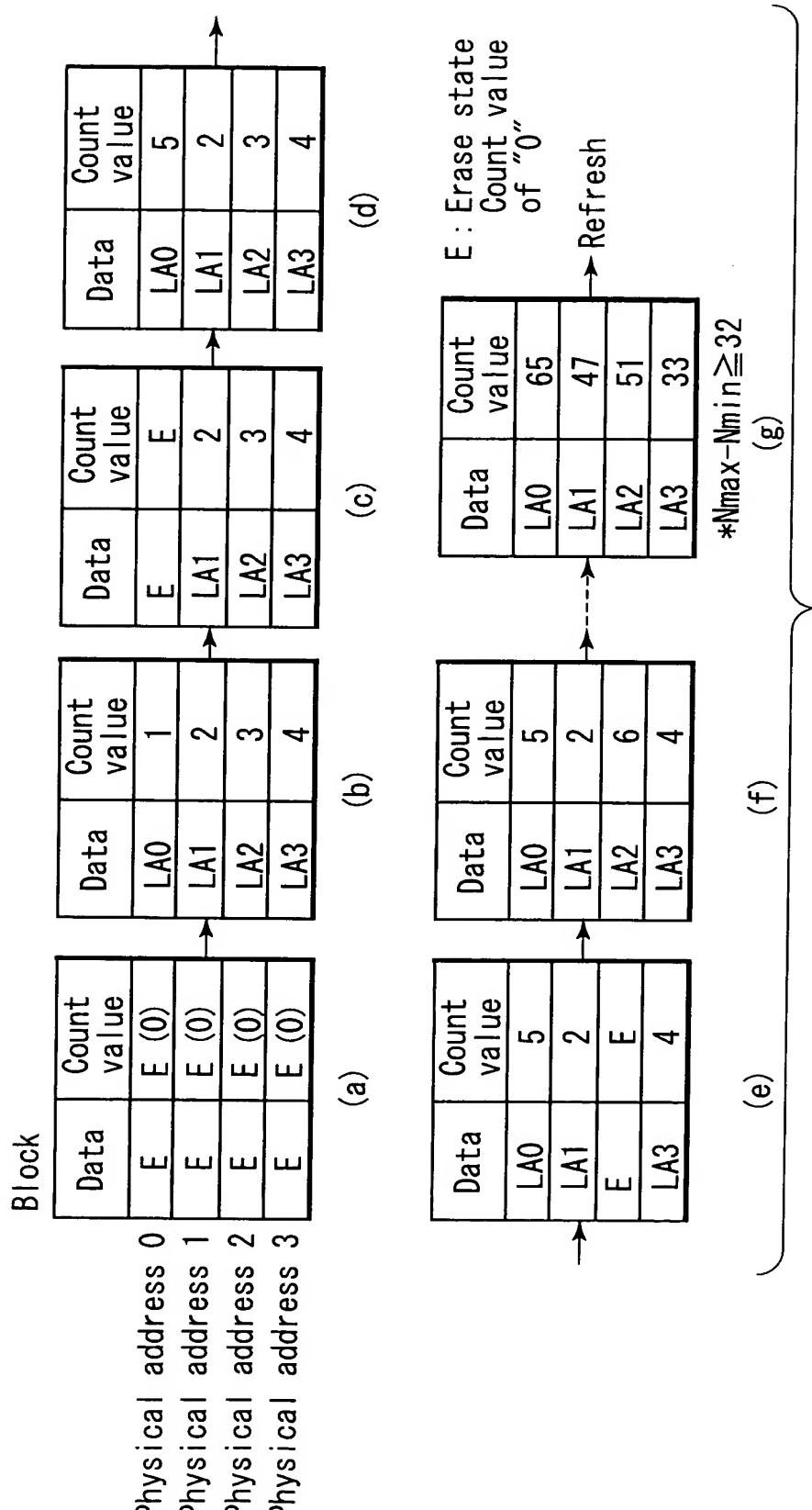


FIG. 9

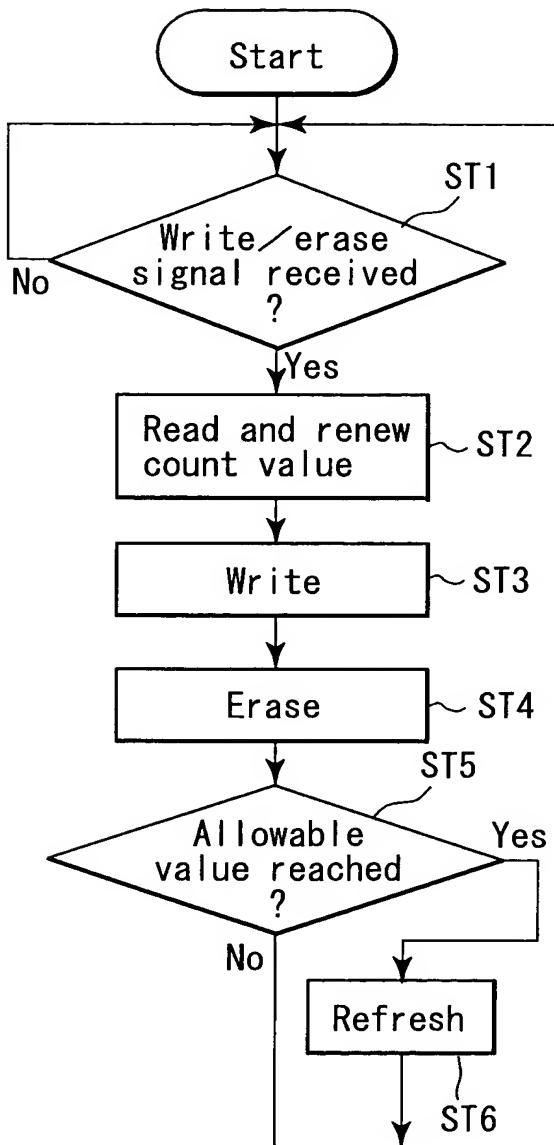


FIG. 10

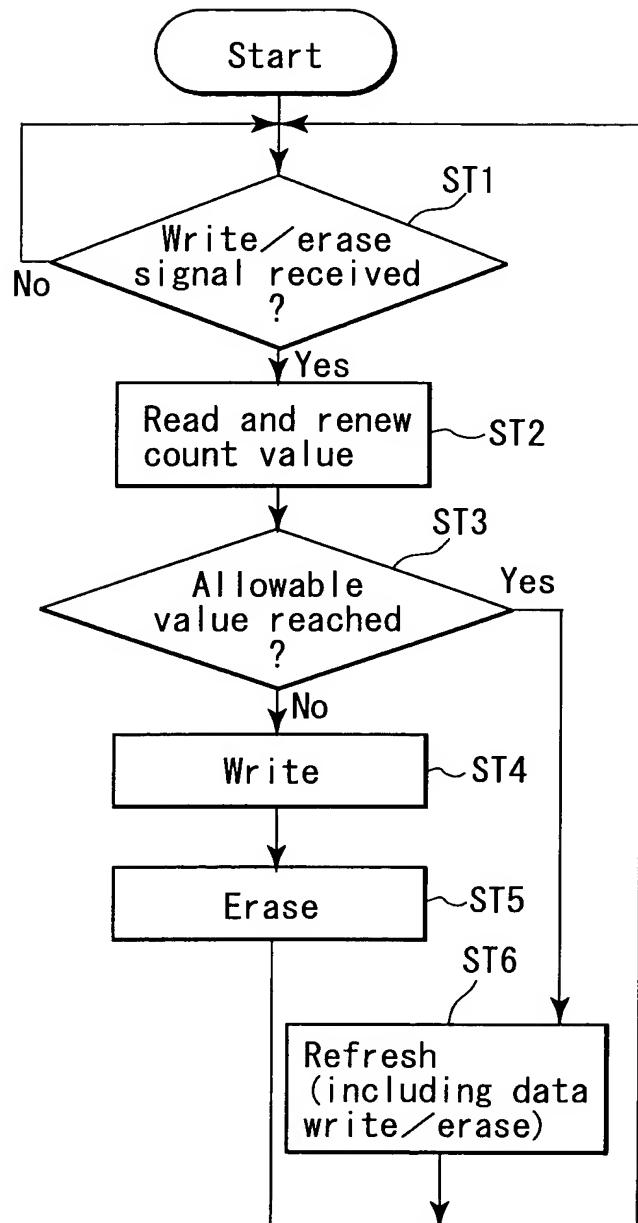


FIG. 11

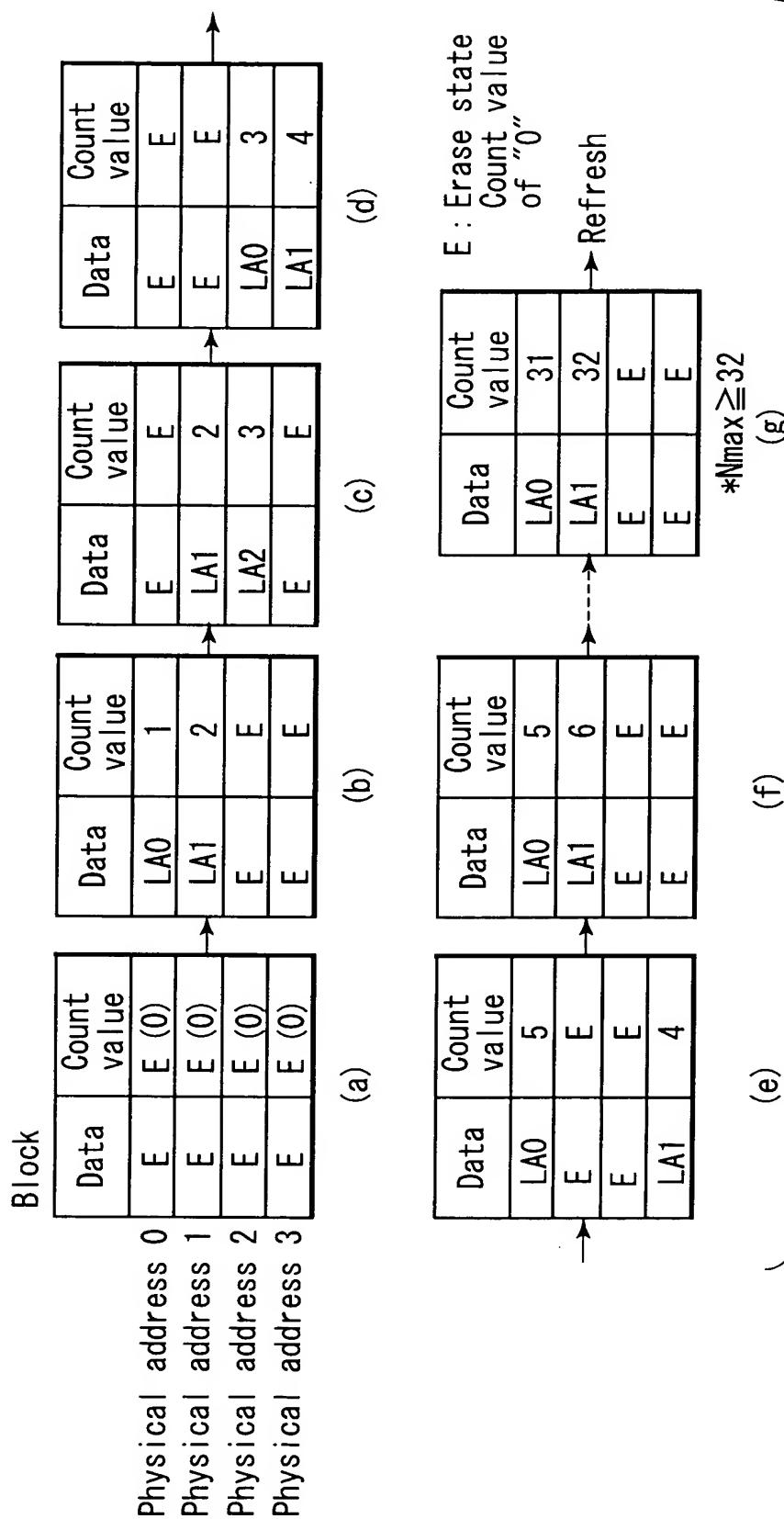


FIG. 12

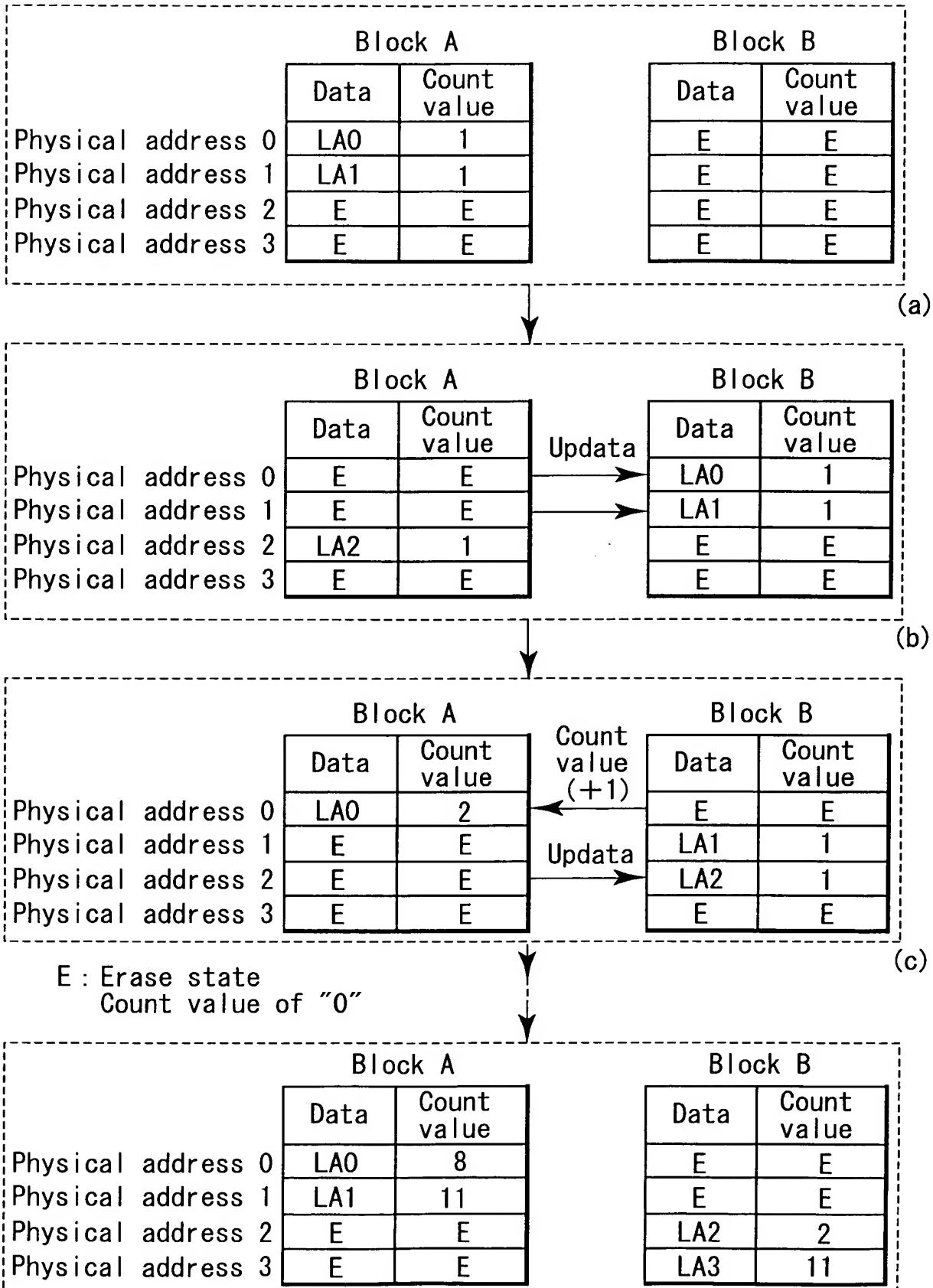
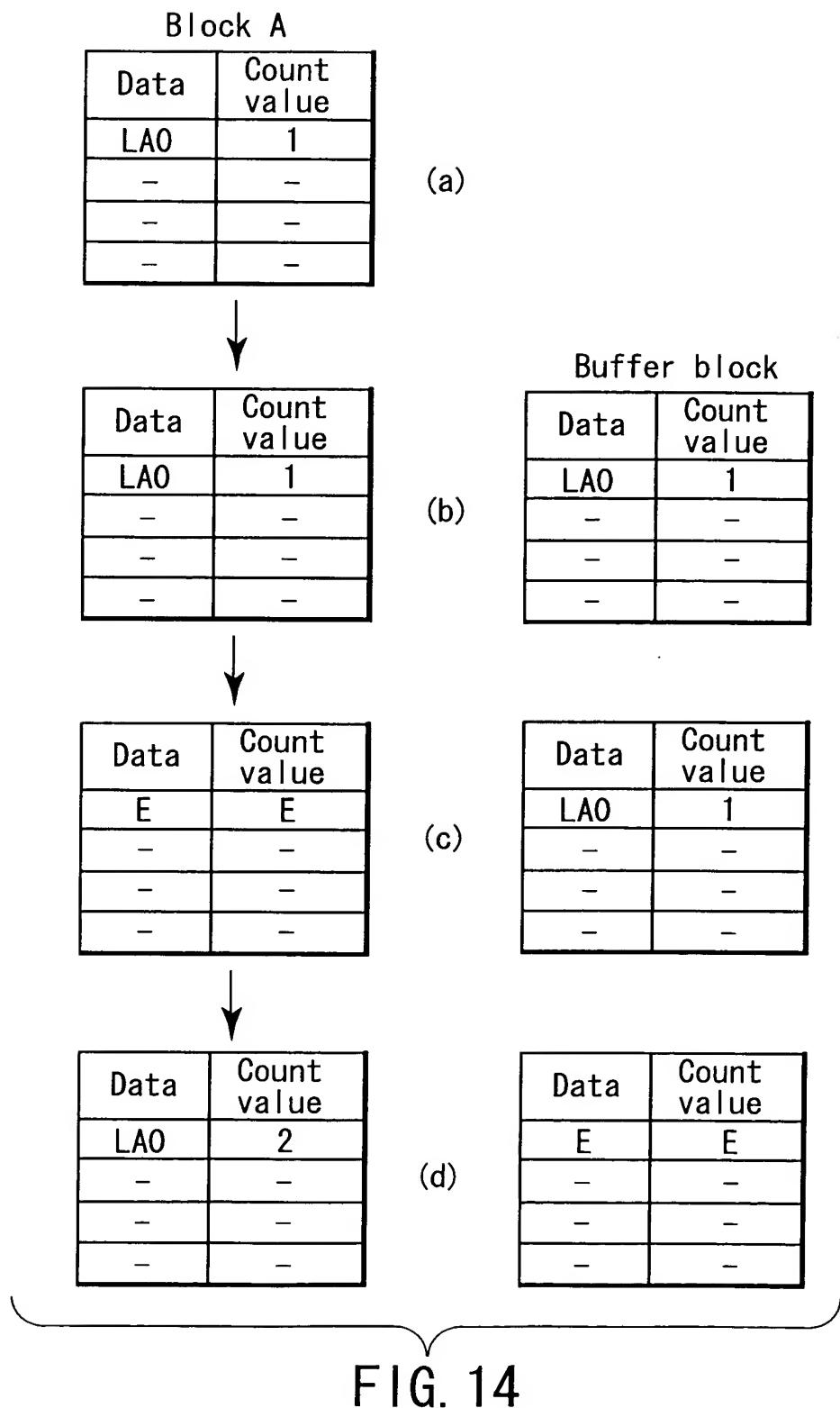
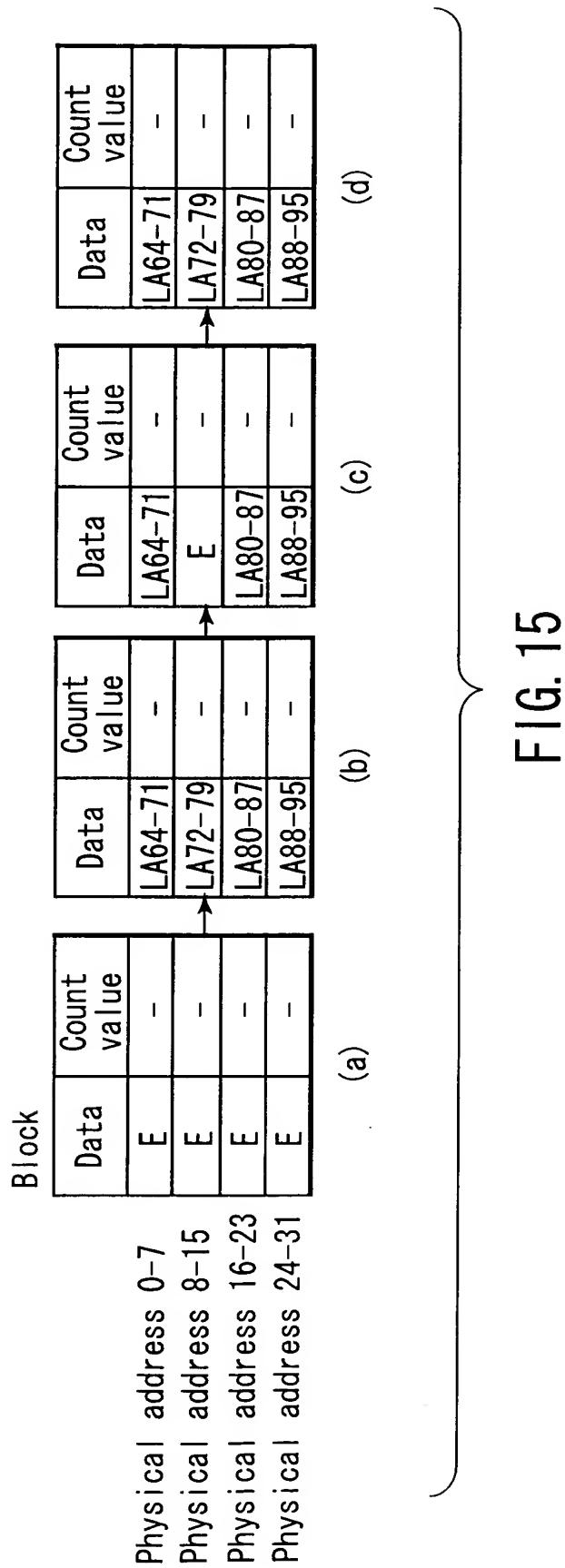


FIG. 13

$8+11+2+11 \geq 32$





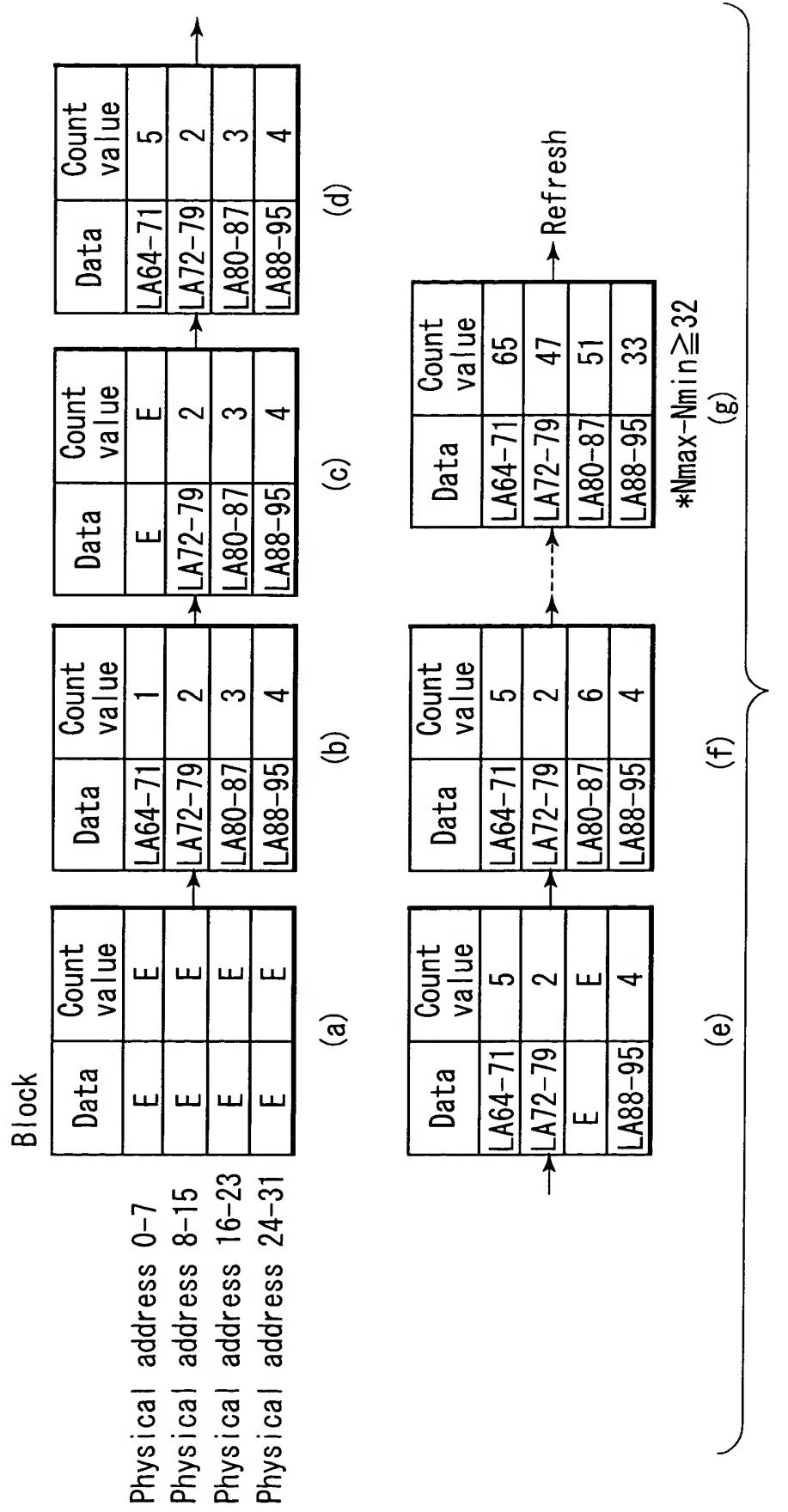
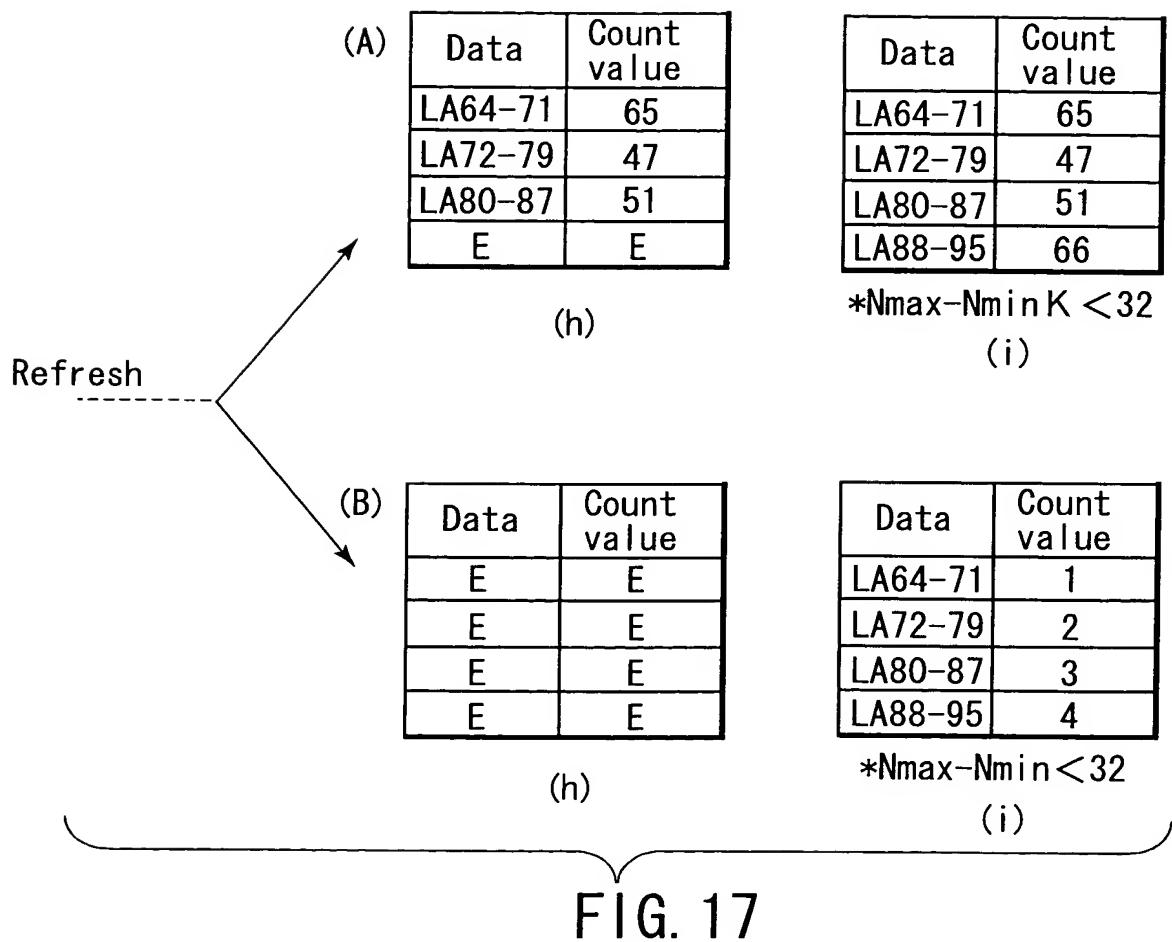


FIG. 16



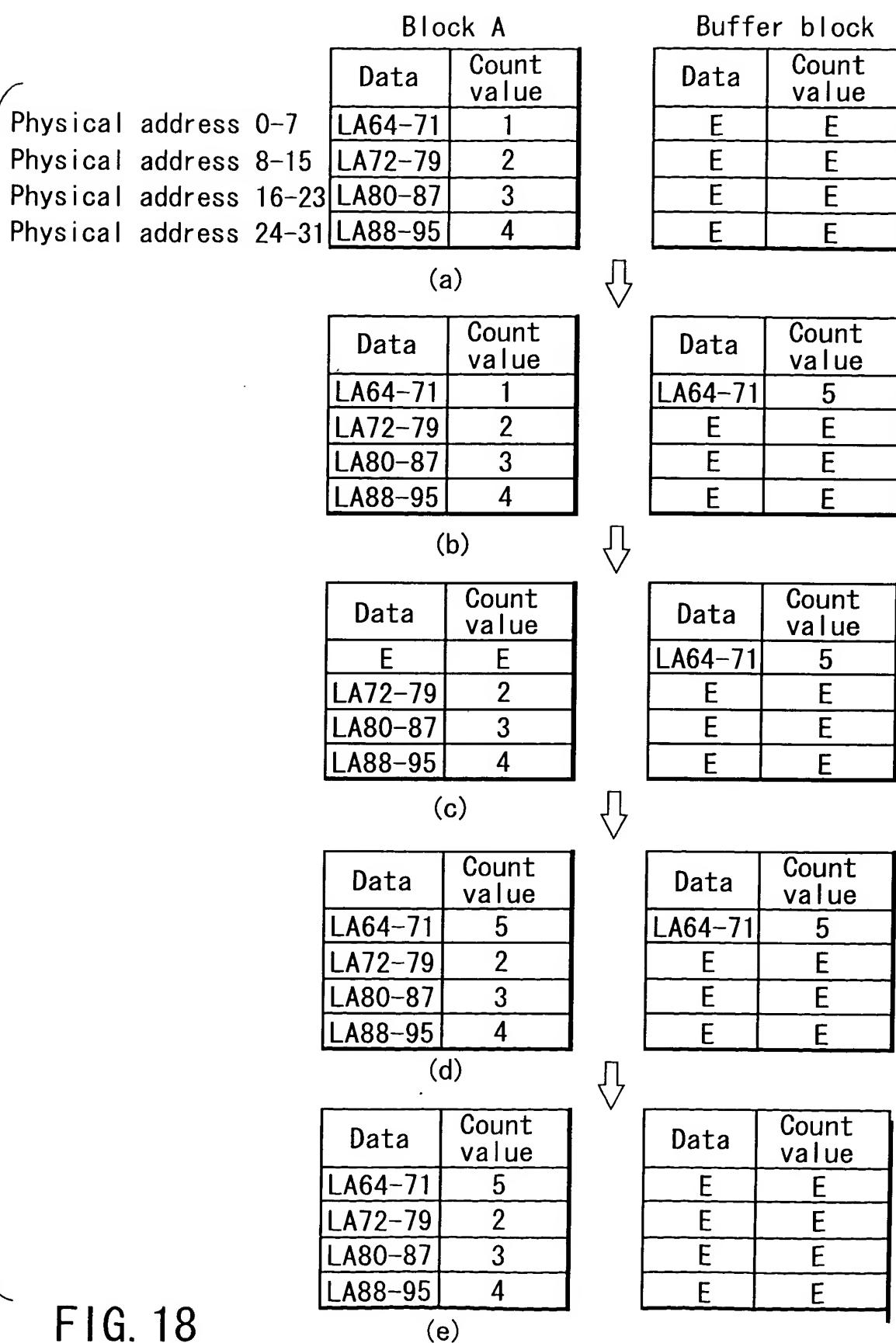


FIG. 18

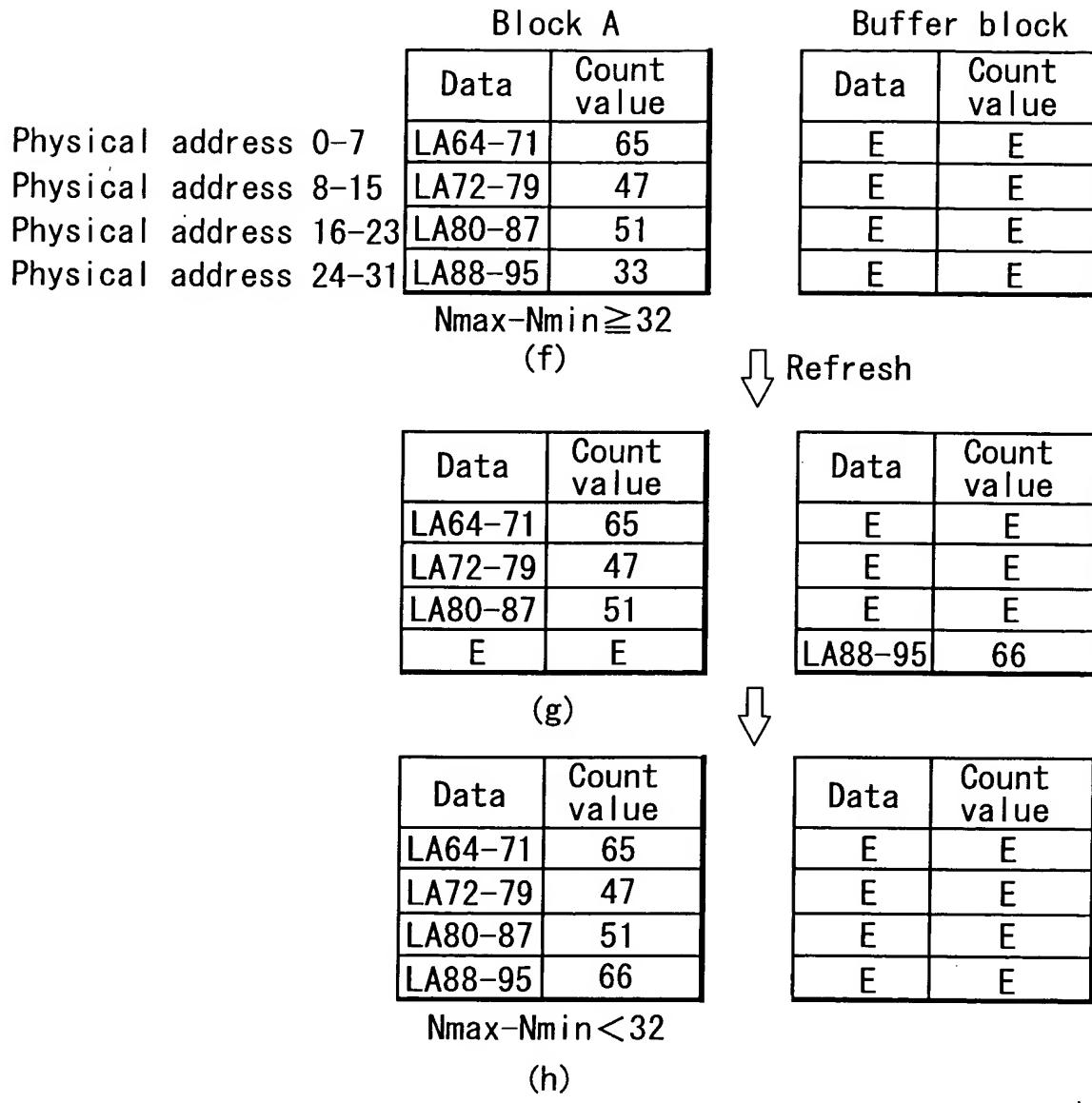


FIG. 19

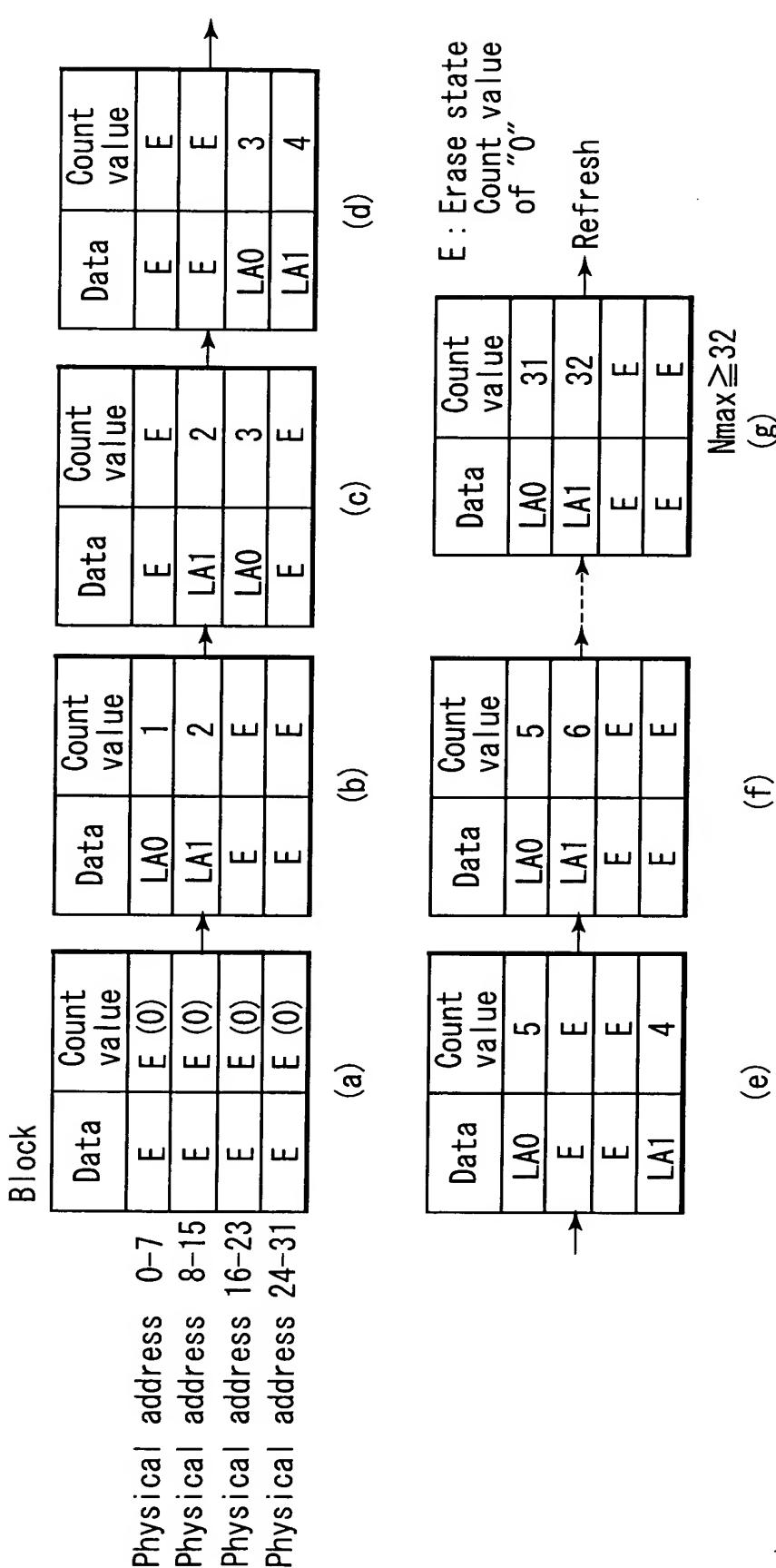


FIG. 20

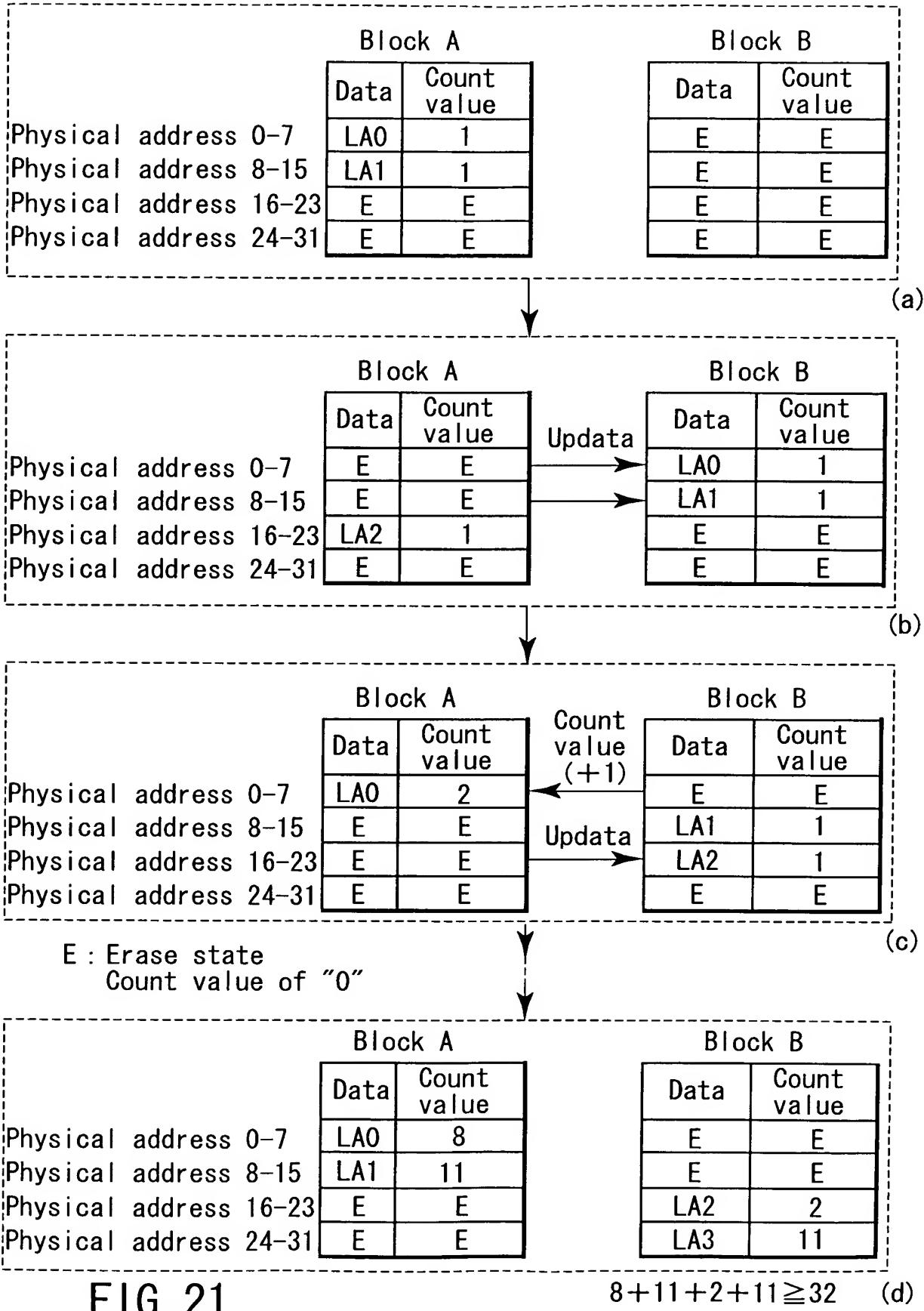


FIG. 21

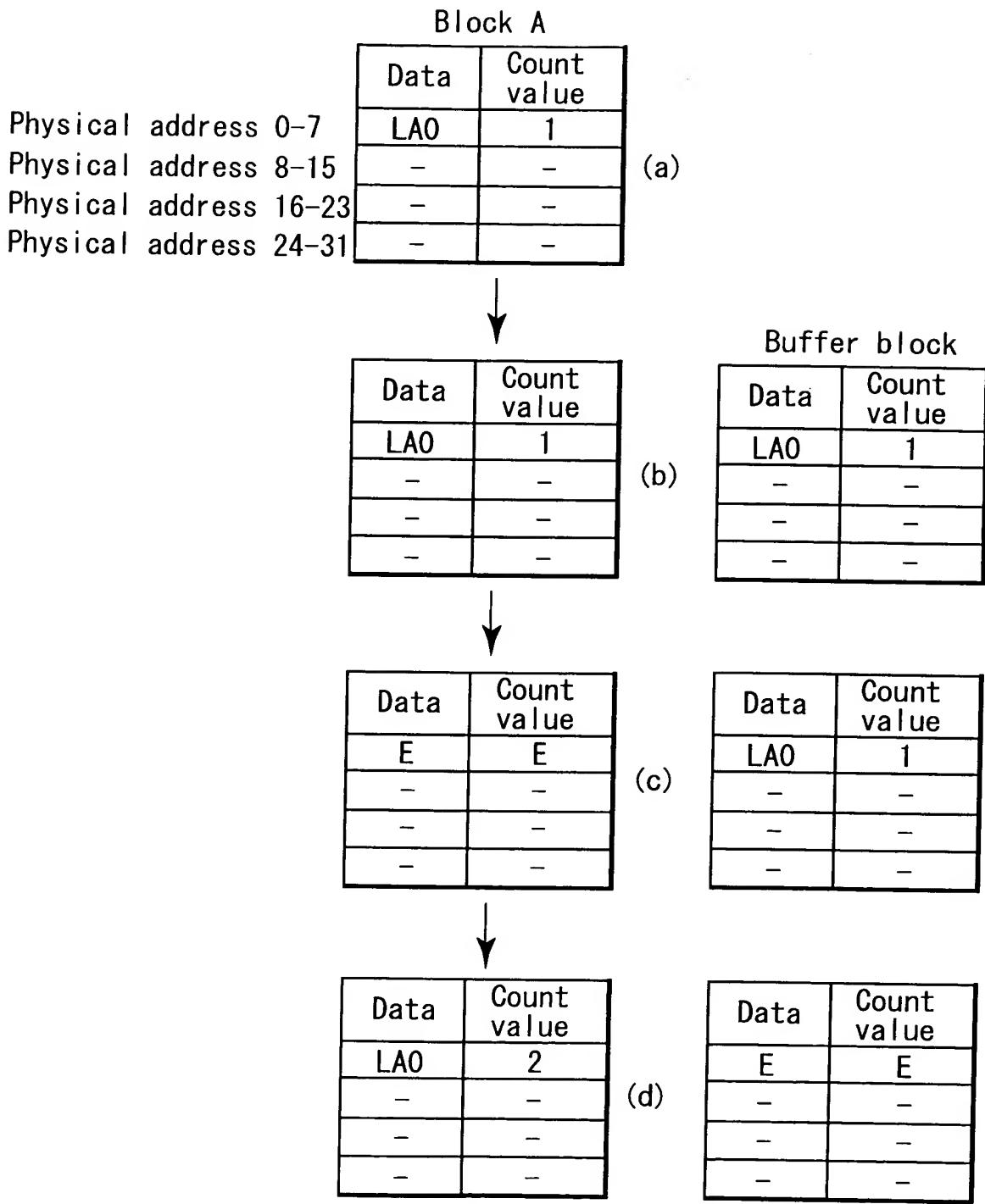
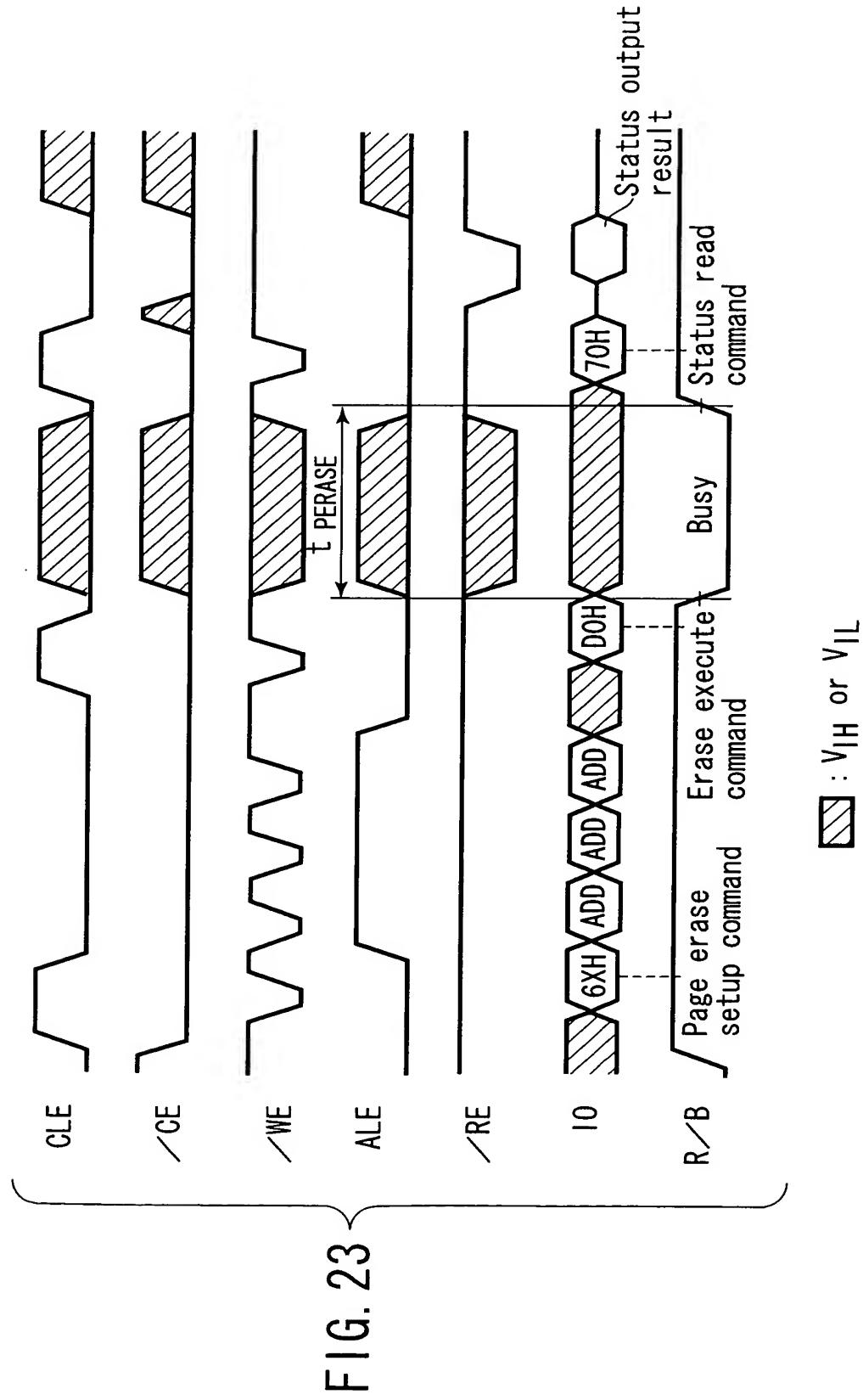


FIG. 22



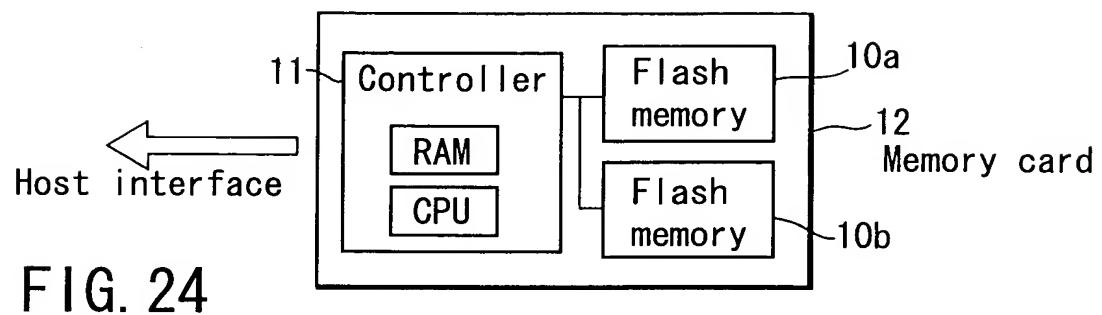


FIG. 24

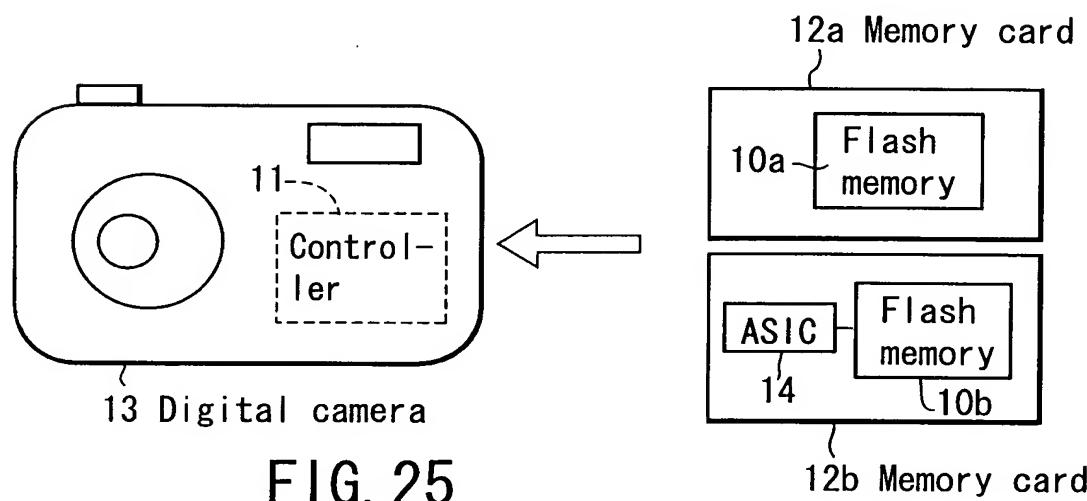


FIG. 25

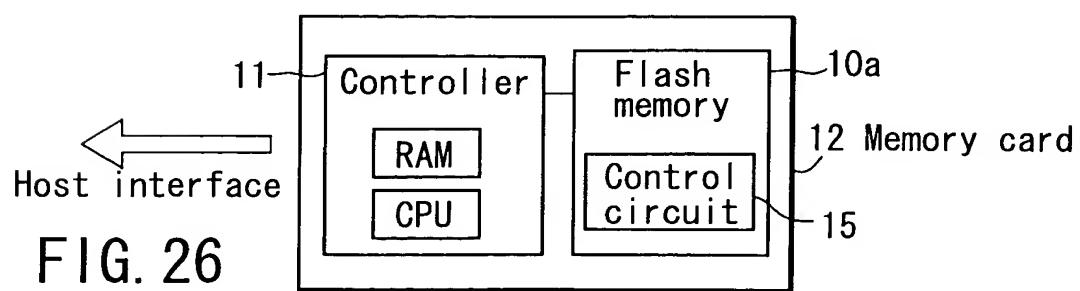


FIG. 26